

Claims Only

S55-144153

1. Title

Surface Reinforced Synthetic Resin Foamed Sheet and Process for Manufacture Thereof.

2. Claims

1. A surface reinforced synthetic resin foamed sheet as produced by overlaying, on a synthetic resin foamed sheet surface, a fiber cloth woven to have a yarn lattice interstitial area ranging from 5-50%; and

adhering thereto with heat and pressure, a thermoplastic synthetic resin film.

2. A surface reinforced synthetic resin foamed sheet as set forth in Claim 1, wherein the synthetic resin foamed sheet is a polyurethane foam.

3. A surface reinforced synthetic resin foamed sheet as set forth in Claim 1, wherein the fiber cloth woven to have a yarn lattice interstitial area ranging from 5-50% is a cloth made of a natural fiber selected from silk, cotton, and jute.

4. A surface reinforced synthetic resin foamed sheet as set forth in Claim 1, wherein the fiber cloth woven to have a yarn lattice interstitial area ranging from 5-50% is a cloth made of synthetic fibers selected from "vynylon" [polyvinyl alcohol fiber] nylon, polypropylene, polyethylene, and polyvinylidene chloride.

5. A surface reinforced synthetic resin foamed sheet as set forth in Claim 1, wherein the thermoplastic synthetic resin film is a single layer film made of a synthetic resin selected from polyvinyl chloride, polyethylene, polypropylene, polyvinylidene chloride, polyacrylonitrile, nylon, polyester, ethylene-acrylic acid copolymer, ethylene-acrylate copolymer metal salt, and ethylene-vinyl acetate polymer, or a doubled layer obtained by mutually coating together said single layer films.

6. A surface reinforced synthetic resin foamed sheet as set forth in Claim 5, wherein the ethylene-acrylic acid copolymer metal salt is a sodium or zinc ethylene-acrylate salt copolymer.

7. A process for the manufacture of a surface reinforced synthetic resin

foamed sheet which comprises

overlaying in order, on a synthetic resin foamed sheet, a fiber cloth

woven to have a yarn lattice interstitial area ranging from 5%-50%, and a thermoplastic synthetic resin film;

passing [these layers] through surface heated rolls and press rolls for adhering them together with pressure and heat; or

overlaying a synthetic resin foamed sheet on a fiber cloth woven to have a yarn lattice interstitial areas ranging from 5%-50%; then

overlaying a thermoplastic synthetic resin film being molded by a calendar roll in such a position as to superimpose it on said fiber cloth; and

passing [these layers] through surface heated rolls and press rolls, thereby adhering them together with pressure and heat.

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